Technical Cybersecurity

Instruction Architectures

GDB Commands

GDB IS REALLY POWERFUL

‣ …and really complex!

COMMON COMMANDS

‣ We've gone over some commands in action

‣ Now let's look at some of the details

‣ Read and write memory and registers during execution

Instruction Sets

WHY X86_64?

‣ Well, we'll talk about this

ARM, MIPS, ETC.?

‣ ARM and MIPS are much more common in IoT

   ‣ We'll talk about some differences

‣ Intel is trying to enter the market

‣ Much more architectural fragmentation

Let's get into some details next.